



SANDRA MEADOWS, TECHNICAL INFORMATION, is hard put to select her favorite door prize for the big Y-12 dance. The Spring to-do is scheduled for Friday, May 9, at 9 p.m. at the American Legion Hall, Oak Ridge. Do you have your tickets yet?

Brisk Ticket Sales Promise Good Crowd At Y-12 Spring Dance, Friday, May 9

A brisk sale of tickets is the news of the dance coming up!

Set for Friday, May 9, at 9 p.m., the gala affair will be staged in the ballroom of the American Legion Hall, 122 Jefferson Court, Oak Ridge.

Alan Atkin returns with his fine orchestra for the music part of the evening. Dancing will be from 9 p.m. until 1 a.m.

Tickets are available, for \$2 per person . . . includes ice and set-ups at your table . . . from the following persons:

Seller	Building
Betty Whitehorn	9202
Ernestine Elam	9203
Jo Ann Isham	9212
Lucy Parker	9212
Faye Duncan	9215
Irene Carmack	9215
Mary Ann Wright	9711-1
Shirley Humphrey	9720-8
Doris Simpson	9720-6
Lib Kilby	9706-2
Jo Bratton	9737
Martha Helton	9739
Debra Kiviniemi	9995
Virginia Newby	9998
Barbara Littleton	9204-4
Judy Winslett	9201-4
Beverly Grubb	9201-5
Wanda Podeweltz	9201-1
Liz Harris	9204-2
Treba Smith	9704-2
Recreation	9711-5

Y-12ers making merry for the Spring season will share 10 big door prizes at the Friday week dance. There are the following to be given away by drawings: Magic Maid combination grill-waffler; Mitchell 300 spinning reel; cherry-wood brass trim bill and letter

rack; cruet set; executive tool kit; a deluxe spice cabinet; a one-quart casserole server; a relish roulette; a portable bar; and an attache case.

Door prizes will be awarded during intermission.

Tickets, again, are only \$2 per head, and the price includes free ice and set-ups at your table.

No table reservations are being taken, so come on early. Make sure you get a ring-side seat.

That's Friday, May 9, 9 p.m. to 1 a.m. American Legion Ballroom, Jefferson Court, Oak Ridge.

Credit Union Ups Lid On \$ Savings

The directors of the Y-12 Credit Union, in response to many requests and in order to provide additional service to its members, have removed the monthly deposit limit and raised the total deposit limit for members effective immediately. The new total share deposit limit for any individual employee member is \$25,000, including any joint accounts the member may have. The individual employee member may also deposit in his share account at any time any amount he desires, so long as his total deposits do not exceed the \$25,000 limit.

Members are also reminded that all Y-12 Credit Union loans are fully insured for the amount of the loan up to \$10,000 at no extra cost to the borrower, and that there are never any 'add-on' charges.

Bank-By-Mail Highly Popular In Plants

Service Is Offered To All Employees

More than 6,200 employees at Nuclear Division facilities in Oak Ridge are now having their payroll checks mailed directly to their banks. According to a recent survey, the number represents approximately 48 percent of the Division's employees in Oak Ridge.

The survey showed that payroll checks are now being mailed to 174 banks in 19 different states.

Interest in the banking plan has been growing steadily at the Oak Ridge facilities. One of the reasons for this mounting interest is that the plan is designed for the convenience of employees, enabling them to do their banking with a minimum of effort.

Under this direct deposit plan, the employee authorizes the Company to deposit his check in his bank account and authorizes the bank to receive the deposit.

The checks of weekly employees are sent to the bank on Wednesday of each week. Checks of monthly employees are sent to banks in Tennessee one day prior to the disbursement date, and to banks located in other states two days prior to disbursement. The bank immediately credits the deposit to the employee's account and sends the itemized check stub and deposit slip to the employee's home.

This program is a great convenience to employees since it avoids the necessity of a trip to the bank, and the hazards of carrying large amounts of cash. In addition, if an employee has mortgage or installment accounts at the bank, arrangements can normally be made to have such payments taken from the employee's account, eliminating the need of issuing additional checks.

All employees have been encouraged to take advantage of this service. Forms for the direct deposit plan are available at the Timekeeping Department, Building 9711-5.

UCC Board Declares 50¢ Quarterly Dividend

The board of directors of Union Carbide Corporation has declared a quarterly dividend of fifty-cents (50¢) a share on the outstanding capital stock of the corporation payable June 2, 1969, to stockholders of record at the close of business May 9, 1969.

The last quarterly dividend was fifty-cents (50¢) a share paid March 3, 1969.

SAFETY SCOREBOARD

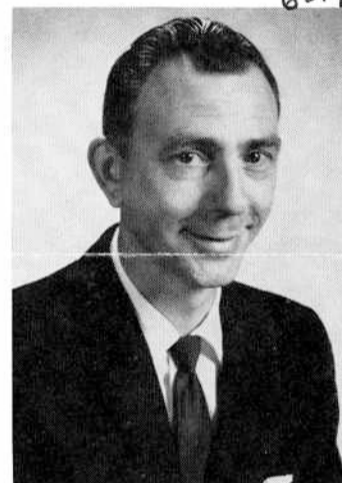
The Y-12 Plant Has
Operated
156 Days Or
4,889,000 Man-Hours
(Unofficial Estimate)
Through April 27
Without A Disabling Injury
**SAFETY AT HOME,
AT WORK, AT PLAY**

Boucher, Crigger, Rowland Promoted To Foremen, May 1

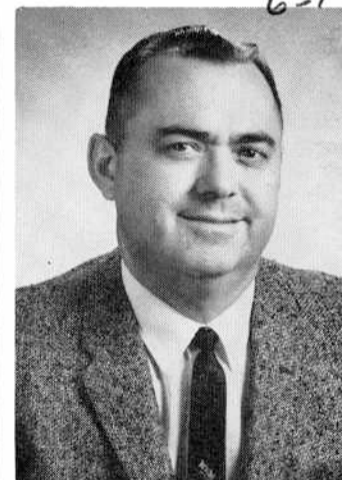
Three additional promotions are announced in Y-12, effective May 1. William M. Boucher is named Utilities Foreman in Utilities Administration; Herman G. Crigger and Billie E. Rowland are named Inspection Foremen in Technical Services.



William M. Boucher



Herman G. Crigger



Billie E. Rowland

William M. Boucher, transferring from Maintenance to Utilities, was born in Glasgow, Kentucky. He came to Y-12 January 27, 1954. He has worked in the Fire Department and most recently in air-conditioning and refrigeration in Maintenance.

Boucher served in the U.S. Navy from 1941 until 1953. By correspondence he studied with the National Technical School, out of Los Angeles, specializing in refrigeration and air-conditioning. He is currently attending the industrial electronics school, Central High School, Wartburg.

Boucher lives with his family at 115 Goucher Circle, Oak Ridge.

His wife is the former Audrey Froedge. They have a daughter, Dana; and a son, Larry. The new foreman was formerly active in basketball and softball leagues in the plant.

A native of Fountain City, Herman G. Crigger came to Y-12 July 7, 1958. He was in the U.S. Army from 1953 until 1955 and served prior to that in the reserve. After attending Stair Tech, he was employed by Fulton Sylphon and W&WS Electric Company, Knoxville. He has studied shop theory in the Oak Ridge Evening School.

The Criggers live at 4213 Walpine Lane, Knoxville. Mrs. Crigger is the former Jo Ann Asbury. The couple has three boys, Ricky and Gary who attend Pleasant Ridge School, and Randall, six months old.

The new inspection foreman enjoys boating, skiing, some fishing and does woodwork in his spare time.

Billie E. Rowland was born in Princeton, West Virginia. His first employment was with the Virginia Railroad there. He was in the U.S. Navy from 1945-46 serving as a second class petty officer in the Pacific theatre. He worked at the Naval Air Station, Norfolk, briefly, before returning to the Virginia Railroad. He was with the Naval Ordnance Plant, Louisville, Kentucky, before coming here August 9, 1954.

The Rowlands live at 113 East Arrowwood Road, Oak Ridge. His wife is the former Frances Bridges, and they have a married daughter, Mary Elizabeth Kent, Norfolk, Virginia.

Rowland likes to hunt and fish, says he also plays golf.

LASL's Burnett Guest At Physics Seminar

S. C. Burnett, Los Alamos Scientific Laboratory, will discuss "Recent Progress in the Study of Spontaneously Fissioning Isomers" at this week's Physics Division seminar.

The seminar is set for Friday, May 2, at 3:15 p.m. in the East Auditorium of ORNL's 4500 building.

No Bulletin Set For Next Week . . .

There will be no Y-12 Bulletin next week.

Publication will resume Wednesday, May 14.

New Stockholders Are Added By Union Carbide

Last year, Union Carbide Corporation gained some 41,000 new stockholders, bringing the total to 208,000, according to the corporation's annual report just mailed. The new report states that in the chemical area, product lines that made substantial contributions to sales were agricultural chemicals, including Union Carbide's Sevin insecticide; silicones, particularly those used for bonding applications; glycols for such uses as automotive anti-freezes and polyester fibers; and the many chemicals used in coatings applications.

The Bulletin

Published Weekly For The
Y-12 Employees Of
UNION CARBIDE
CORPORATION



NUCLEAR DIVISION

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Industrial
Editor's
Association

American Association Industrial Editors

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Perseverance Is Victor After 18 Years Of Study



Joseph E. Miller

"Perseverance is more prevailing than violence; and many things which cannot be overcome when they are together, yield themselves up when taken little by little." . . . Plutarch.

The above probably best describes a Y-12er who received his bachelor's degree in Winter Quarter ceremonies recently from the University of Tennessee.

Joseph E. Miller, Environmental Control Engineering, was graduated with a degree in Industrial Education in the most recent graduating exercises from U.T.

Joe came to Y-12 January 15, 1951 without a single college credit to his name!

His full undergraduate work has been done part-time, piecemeal, catch-as-catch-can.

Miller lives at Route 12, Millertown Pike, Knoxville with his wife, the former Nancy Lee Mathana. They have three children . . . Susan, in Holston High; Sherry, in Spring Hill School; and Barry, who gets his crack at education next year.

Who says it couldn't be done? Don't ever let Joe Miller hear you say that!

Overtime Now Goes To Executive 'Class'

The high price of success has been a detriment of many U.S. citizens. Take a look at recent findings. Studies show that professional men, managers, and business owners . . . once referred to as the "leisure class" spend an average of 49 hours per week on the job . . . many on the job 60 hours or more. Some of these executives also commute from three to four hours a day to and from their jobs. And, added to all this, the more successful they are, the more likely it is that they will be called upon to do outside community work.

Grant Awarded TAT Program For Teachers

In-Service Course Begins January 1

A U.S. Office of Education grant of \$228,000 has been awarded to the University of Tennessee for support of two programs being conducted at the university and at Y-12.

The grant will supply funds through June 30, 1970, for The University of Tennessee Teacher Institute's Prospective Teacher and In-Service Teacher programs, both of which are primarily designed for training vocational and technical teachers for junior colleges and vocational schools in the 10 southeastern states.

Uses Y-12 Facilities

In general, the university will furnish the administrative, teaching, and guidance personnel for the teacher-education courses as well as joint supervision for all college credit technical courses. The Nuclear Division will provide an experienced training staff composed of engineers, scientists, industrial supervisors, and skilled craftsmen for the shop and laboratory technology courses, plus access to the Y-12's versatile equipment and training facilities.

Dr. Donald V. Brown, Associate Professor of The University of Tennessee's Department of Industrial Education, is Director of the Teacher Institute. B. R. Pearson is Training Director of the Nuclear Division's Y-12 activities in the Institute.

Technical Area Covered

The Prospective Teacher program prepares candidates with technical experience in the military or industry for teaching careers in junior colleges and vocational schools. The In-Service program gives practicing teachers the opportunity to update their technical knowledge. Participants in both programs will earn college credit toward a bachelor's or master's degree in industrial education. Lecture courses are given at both The University of Tennessee campus in Knoxville and Y-12. Laboratory sessions are held at Y-12.

Course work for both programs covers modern technology and teaching methods in the following major technical areas—mechanical drafting, industrial electronics, machining, welding and physical testing. The latest industrial techniques, such as nondestructive testing by dye penetrant, ultrasonic, and radiographic methods, are practiced.

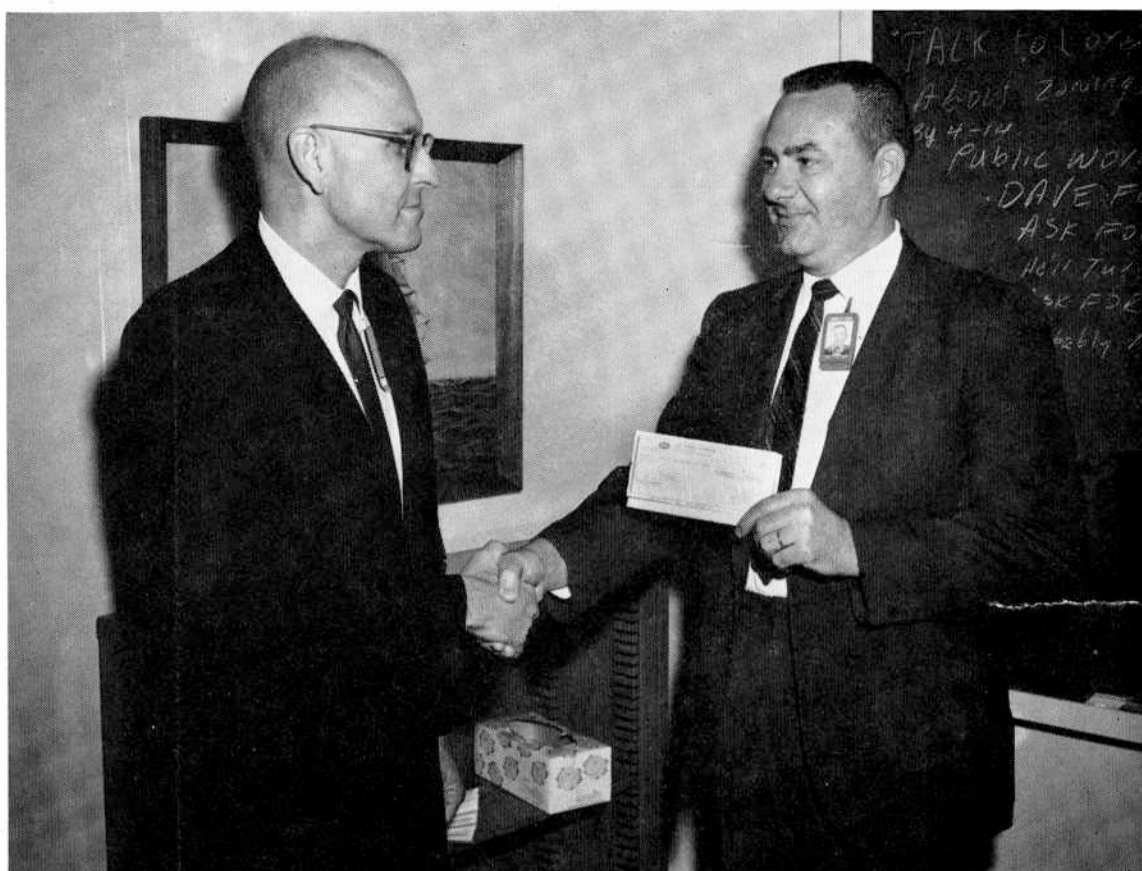
Seven Academic Quarters

Thirty-five full-time participants are presently enrolled in the program to train new teachers. Classes began in January and will extend up to seven academic quarters (about 20 months). All participants were required to meet university entrance requirements and to have previous formal training and experience in a vocational or technical field.

In addition to the academic and teaching method classes, approximately half time is spent in two or more of the laboratories where skills of modern-day technologies are developed. During the laboratory experience, each participant works with and assists the Training and Technology Program worker-trainees. As teaching ability develops, the participant is given additional teaching responsibility until during the final quarter he is instructing a class of 20 or 30 TAT worker-trainees on an everyday basis.

100 Teachers Expected

The TAT Project was estab-



CONGRATULATIONS AND MONEY (TOO) to Ernie E. Choat, Environmental Control Engineering, are extended by F. S. Patton, Design Engineering superintendent. Ernie received his MS in Industrial Management in March of last year. One year after receiving a graduate degree, Union Carbide employees receive the remaining 50 per cent reimbursement under the Carbide Educational Assistance Program. On April 16, Choat gave his thesis at the national conference of the American Society of Mechanical Engineers in Pittsburgh. Its subject: 'Planning, Scheduling and Controlling an Engineer Design Group.'

lished in June, 1966, as an experimental manpower project to demonstrate the use of industrial and university resources in developing programs in manpower training and vocational teaching. The project joins together the staffs and facilities of The University of Tennessee, the Nuclear Division, Union Carbide Corporation, and Oak Ridge Associated Universities. Also cooperating are the Tennessee Department of Education, the Division of Vocational-Technical Education, the Tennessee Department of Employment Security and organized labor.

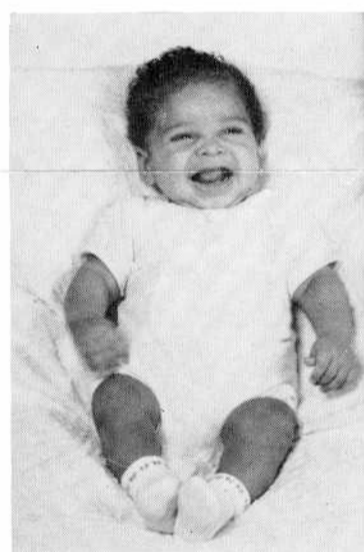
In the In-Service program, 100 teachers from the southeastern states will each spend three weeks at Y-12 updating their teaching skills in one of the four major technical areas. Twenty-five participants will enroll in each of four academic quarters, Summer 1969 through Spring 1970. Those selected will be teachers from junior colleges, technical institutes, and vocational schools in the 10 southeastern states, and will be personally recommended by their respective State Director of Vocational-Technical Education.

Get Shop Experience

The participants will get laboratory and shop experience operating a variety of industrial machines and equipment in work related to their teaching area. A lecture series on philosophy, teaching methods, technical theory, and industrial technology will supplement the laboratory experience.

The Teacher Institute, for two years a function of the Training and Technology Project, is now operating through an interagency agreement with the U.S. Atomic Energy Commission, U.S. Office of Education, and The University of Tennessee. The present TAT project includes programs for worker training, with emphasis for the underemployed and unemployed and for experimentation and program development in cooperation with the Teacher Institute.

Don't Discover Safety By Accident.



EDWARD CALVIN Angel certainly lives up to his name, according to his proud grand-parents. He is the son of Mr. and Mrs. Edward C. Angel, Dayton, Tennessee. His grandfather Paul White . . . and grandmother Annie Angel are both employed in the Biology Division in Y-12.

Mental Health Sets Panel Discussion

Each year during Mental Health Month, the Oak Ridge Regional Mental Health Association presents an informative program on mental health. The program this May is very timely in view of the problems on our college campuses aired daily by the news media.

A panel discussion, "The Stresses On The Young Adult In College," will be held May 5, 7:30 p.m., at the Jefferson Junior High School Little Theatre in Emory Valley, Oak Ridge.

Dr. Kenneth Newton, Director of the University of Tennessee Psychiatric Clinic will be the moderator. Panel members will be Victor Atyas and Bruce McCoy, graduate students in psychology; Mike Davis, an undergraduate in philosophy; and Miss Pat Newton, and undergraduate

1969-70 Playhouse Plans Are Given

The Oak Ridge Playhouse in Jackson Square has opened its 1969-70 membership drive concurrently with the presentation of "The Caucasian Chalk Circle," coming Friday, Saturday, and Sunday, at 8:20 p.m. Season tickets may be purchased at the Box Office from 10 a.m. through 5:30 p.m. daily or may be reserved by calling Oak Ridge 483-1224.

The Playreading Committee has selected a season of plays to satisfy a wide variety of interests. Moliere's comic masterpiece "The Miser" will open the season in November; "Long Day's Journey into Night" by Eugene O'Neill is the playwright's most beautiful and touching drama; "Hobson's Choice," a brilliant British comedy, will be presented in March; "The Dybbuk," a haunting and unusual love story will open in April; and Woody Allen's long-running comedy, "Don't Drink That Water," will end the year in June.

A Studio Theatre Production which is free to all members will be announced at a later date. Regular season memberships insure the purchaser of an assigned seat on the night of his choice at a price considerably beneath Box Office rates. Convenience Cards offer a flexible membership plan at the same reduction in cost. Students through high school may purchase memberships for any Friday evening at student rates. All Playhouse productions next season will run for a minimum of six performances over three weekends to meet the growing demand for tickets.

in political science. Dr. Newton will also participate in the discussion.

At the conclusion of the discussion there will be an audience question and answer period. Admission is free and the public is urged to attend.



FOR SERVICES AS PRESIDENT of the Tennessee Conservation League, Lou M. Doney, Development Division, received this handsome plaque from the TCL at its recent annual meeting in Chattanooga.

'National Wildlife Creed'

I PLEDGE myself, as a responsible human, to assume my share of man's stewardship of our natural resources.

I will use my share with gratitude, without greed or waste.

I will respect the rights of others and abide by the law.

I will support the sound management of the resources we use, the restoration of the resources we have despoiled, and the safekeeping of significant resources for posterity.

I will never forget that life and beauty, wealth and progress depend on how wisely man uses these gifts . . . the soil, the water, the minerals, the plant life, and the wildlife.

This is my pledge!

TCL Gives Doney Life Membership

The Tennessee Conservation League awarded Y-12's Lou M. Doney a handsome plaque, mounted with a gavel, for his services as president of the league.

Doney stepped down as president of the conservation group at their annual conference in Chattanooga recently.

The plaque read "Certificate of Life Membership . . . Louis M. Doney is a duly accredited life member of the Tennessee Conservation League, state affiliate of the National Wildlife Federation, with all the rights and privileges appertaining thereto."

Doney is in Chemistry Development.



Lou M. Doney

door Range, Oak Ridge Sportsmen's Association.

Friday, May 9

SPRING DANCE: 9 p.m.-1 a.m. American Legion Hall.

Sunday, May 11

SKEET TOURNAMENT: 1 p.m. Oak Ridge Sportsmen's Association.

Monday, May 12

SOFTBALL LEAGUE: 6:15, 7:30, 8:45 p.m. Pinewood Park. Show Ups vs. Yankees; N. C. Squad vs. Y-12 Snakes; Bat Boys vs. Eagles.

Tuesday, May 13

CARBIDE CAMERA CLUB, 8 p.m. SOFTBALL LEAGUE: 6:15, 7:30, 8:45 p.m. Pinewood Park. A-Wingers vs. Big Shops; Colts vs. Buccaneers; 69ers vs. K-25 Gas-house Gang.

Thursday, May 14

SOFTBALL LEAGUE: 6:15, 7:30, 8:45 p.m. Pinewood Park. J-Birds vs. Braves; Beta 2 Miners vs. All Stars; Go-Go-Gophers vs. Beta 4 Astros.

GOLDEN SILENCE

A husband appeared before the judge to obtain a divorce from his wife . . . said she hadn't spoken to him in six months. The judge granted the divorce, then turned to the man and stated: "Friend, I'll tell you one thing. You'll never find another one like that."

Dorr's 76 Low At Gatlinburg; 132 Y-12ers Tee-Off

Carl Dorr becomes the first champion of the first golf tournament among Y-12ers, no new role for Dorr. His 76 . . . four over par . . . at Gatlinburg was low score of the day Saturday, as 132 plant golfers gathered in the Smoky Mountains at the picturesque course.

Among scratch lows in the first division, after Dorr, were Jim Pugh, 77; W. F. Jones and E. N. Rogers, 81.

In the handicap section of flight one was a newcomer, leader Bob Carmack, who scored a 74. He was followed by Frank J. Tuck and Charles Baxter, each with 75, and Bill Mee and John Baker, each with 82.

J. D. Collins scored a total of 12 pars . . . and Gene Huskisson fired 11.

SECOND FLIGHT

Another new Y-12 golfer captured the second division, as Tom Reed scored an 85. His scratch low was closely followed by Hugh Henderson, 86; Frank Tiller, 87; and Paul J. Johnson, 89.

In handicap scoring it was Sewell Brown, Bill Sise and Jim Loupe, all with a 76 each. Joe Garber scored an 81.

Jim Batch counted seven pars . . . Ed Sise, Dan Culberson and J. T. Parker tallied six.

THIRD FLIGHT

George Buxton bested the field in the third division, scoring a 91. He was kept close to the greens with a 92 from Cliff Williams, Allen True and Ed Fleischman each with 96.

In handicap counting in the third flight it was F. B. Parrott and Ray Ellis, each with 79. Bill Mattingly and J. R. Parker scored a fine 82.

Bob Rose rallied with five pars . . . J. L. Noey with four.

FOURTH FLIGHT

Hubert V. Tripp took high honors with low scores in the fourth division . . . scoring a 93. He was followed by Curt Ridings, 96; George Dorsey, 97; and A. E. Perry, with 98.

Handicap scores saw Jack Francis field a 76 total; John Harris and Larry McDonald, 79; Dave Hendrickson, 80.

C. R. Starlin scored six pars . . . Ron Nixdorf, five.

The Blount County course of Wallace Hills is the next scene of battle . . . details in the coupon and item elsewhere on this page. You golfers come again.

Retirees May Use Clark Center Park

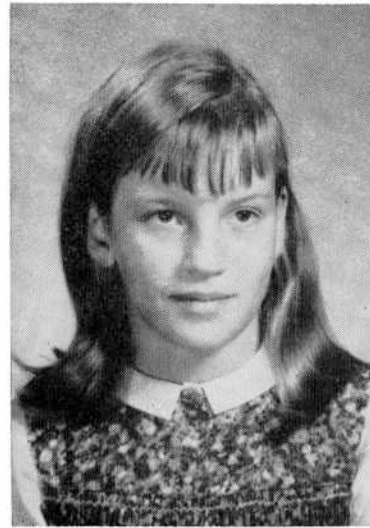
Retirees from Y-12 are always welcome at any recreation-sponsored events. They may also use Clark Center Park facilities at their pleasure. Many Union Carbide Corporation employees chose to remain in Oak Ridge and its environs, finding retired life more to their liking here than in exotic climes where they haven't any friends, and no connections.

It Takes Three To Water Ski, NSC

It takes three to water ski . . . according to the National Safety Council . . . one on the skis, one driving the boat, and one person to watch the skier and his hand signals. With spring and summer play-time upon us we might well remember the Council's counsel.

Have fun in the water, but don't turn an outing into a horrible experience.

'Get In The Swim Of Things . . .'



Barbara Ann Kitchings

Barbara Ann Kitchings, 12-year-old daughter of Glynn H. Kitchings, recently penned the following appeal to the youth of Oak Ridge to participate in the Atomic City Aquatic Club . . . the ACAC's. The Kitchings live at 208 North Alhambra . . . and Barbara's father is in Y-12's Environmental Control Engineering. Barbara is in the sixth grade at Glenwood.

"What are you going to do this summer?"

Ride bikes.

Go fishing.

Go to summer camp.

WHY NOT GET INTO THE SWIM OF THINGS!!!!

Join the Atomic City Aquatic Club! The club is designed to teach children, ages four through 16, how to swim. ACAC will help them perfect their strokes.

The club is divided into two groups . . . competitive and pre-competitive.

In the precompetitive group children are taught four basic strokes:

Backstroke,
Breaststroke,
Butterfly and
Freestyle.

After each technique is learned the child moves on and soon may reach the competitive group.

In the competitive group the children practice their strokes and prepare for on-coming meets.

In the ACAC you have loads of fun and a real "groovy" time. You enjoy participating in meets and winning ribbons, medals, etc.

For further information call: Mrs. Ann Zeldes, Oak Ridge 483-5346. . . .

Or attend the Spring membership meeting on Tuesday, May 13, at 8 p.m. at the Ridge Recreation Hall.

P.S. For all you boys (and girls for that matter) who are interested in muscle-building, swimming is your best bet.

And all you figure-watching girls . . . swimming is the number one figure-building sport!"

Pedestrian Accounts For Many Auto Mishaps

Pedestrian accidents account for many of our traffic deaths each year. Many such deaths were of persons who had never had a driver's license and thus did not know what to expect from cars and their drivers.

When driving are you always in control of your car? Can you stop on sudden notice from an unexpected signal?

Accidents Know No Season—Work and Play with Reason.

Jarvis Rolls 698 Series On Knox Alleys

Wow! Norm Jarvis, of Y-12 Bowling fame, extended his realm of glory this past week-end.

In the Greater Knoxville City Bowling Tournament this past week-end, Norm rolled an 1824 scratch series; pushed to a 1932 handicap series . . . all events scoring.

His 698 scratch series was high so far . . . games of 208, 244, 246!

Tee-Off Time Application For Wallace Hills Golf Tournament

Saturday, May 17

Foursome

_____, Leader

Leader's office phone _____

Home phone _____

Tee-off Time Preferred _____

Fill out completely and return to the Recreation Office, Building 9704-2. Deadline for entering is 4:30 p.m. Wednesday, May 14. Tee-off times will be drawn the next day, Thursday, May 15 at 8:30 a.m.

Recreation



Monday, May 5

SOFTBALL LEAGUE: 6:15, 7:30, 8:45 p.m. Pinewood Park. Y-12 Snakes vs. Bat Boys; Show Ups vs. Eagles; N. C. Squad vs. Yankees.

PHYSICAL FITNESS: (For Women): 7:30 p.m., Oak Ridge High School Girls' Gym.

Tuesday, May 6

SOFTBALL LEAGUE: 6:15, 7:30, 8:45 p.m. Pinewood Park. Colts vs. K-25 Gas-house Gang; 69ers vs. Big Shops; A-Wingers vs. Buccaneers.

PHYSICAL FITNESS: (For Men): 7:30 p.m., Oak Ridge High School Gym.

PISTOL LEAGUE: 6:45 p.m., Oak Ridge Sportsmen's Association.

Thursday, May 8

SOFTBALL LEAGUE: 6:15, 7:30, 8:45 p.m. Pinewood Park. Beta 2 Miners vs. Go-Go-Gophers; Beta 4 Astros vs. Braves; All Stars vs. J-Birds.

ARCHERY: 5, 6 and 7 p.m. In-



MOBOT, AN 8,000-POUND FORM of robot with a pair of six-foot arms capable of performing tasks in environments hostile to man, is seen being photographed by a cameraman for 'The 21st Century' report on 'The Weird World of Robots' Sunday, May 4, at 6 p.m., EDT, in color on the CBS Television Network. The Mobot will be demonstrated with varied models of robots being used today in a number of research programs and industrial jobs. CBS News Correspondent Walter Cronkite is principal reporter for the series which will continue to be televised during the spring/summer months sponsored in the public interest by Union Carbide Corporation. The program is carried locally by WBIR-TV, Channel 10.

'Weird World Of Robots' To Be Seen On 21st Century, Sunday, 6 p.m., May 4

'The 21st Century' will continue to be televised during the spring/summer months, sponsored in the public interest by Union Carbide Corporation. The program is carried in color over WBIR-TV, Channel 10 locally.

A report on the "Weird World of Robots," will lead off this cycle Sunday, May 4 at 6 p.m., EDT, in color on the CBS Television Network. In it, CBS Correspondent Walter Cronkite, principal reporter for 'The 21st Century,' will examine the role that robots are playing now and will play in the life of twenty-first century man.

"There may be virtually no task beyond the skills of the twenty-first century robot," according to Cronkite.

The basic forms of robot will fall into two categories: "simulators," which mimic human performance in narrow proscribed areas; and "augmentors," designed to extend man's physical capabilities.

The robots that simulate human performance will include Versatran, a type of industrial robot that today performs tasks man himself cannot do. Versatran is installed in a Union Carbide plant in Indianapolis. It operates a detonation gun, developed by Carbide, which fires a super-hard coating onto jet engine parts in the only process of its kind. Called "Flame-plating," it is carried out under severe conditions of heat and noise.

Mobot, a dramatic example of the "augmentor" type of robot, will also be shown. It is an 8,000-pound "walking" bruiser muscled with a pair of six-foot arms that

can each lift as much as 100 pounds. For really heavy work, it carries a crane that can hoist half a ton with ease. Mobot, a joint project of Hughes Aircraft and Phillips Petroleum, is capable of performing tasks in environments hostile to man.

Other robots will be seen in demonstrations of their ability and agility in the performance of various tasks. Some will be seen working in a simulated lunar environment; others performing laboratory tasks handling chemical materials that might otherwise be harmful to man.

During the summer months, viewers will be able to watch "The 21st Century" reports on such subjects as weather control, food, cancer research and treatment, science gaming, space medicine, science fiction, the phenomenon of sleep, art in the 21st century, the behavioral sciences, satellite technology, and aviation.

Fred Warshofsky, science editor for 'The 21st Century,' is the writer of "The Weird World of Robots." Isaac Kleinerman is producer, and Burton Benjamin is executive producer of the series.

"The Weird World of Robots," Sunday, at 6 p.m. . . on 'The 21st Century' over WBIR-TV, Channel 10.

INVOLVEMENT

The man was stretched out on the street, ignored by passersby, when a sympathetic lady rushed up to him and began giving him artificial respiration.

The guy rolled over in surprise and said, "Lady, would you mind letting me finish putting these wires down this manhole?"



May, the fairest month of all, makes its entrance, heralding more Y-12ers celebrating important landmarks with Union Carbide Corporation. Congratulations.

25 YEARS

Margaret Elizabeth Wilson, Data Processing, May 1.

Cecil G. Hubbard, Research Services, May 1.

John S. Reece, Chemical Services, May 1.

Ellis W. Mynatt, Area Five Maintenance, May 3.

Russell Hopper, General Shop Inspection, May 3.

Paul C. Pennington, H-1 Foundry, May 5.

Manford C. Bays, Material Control, May 6.

Jessie G. Spears, Mechanical Inspection, May 8.

James H. Nicholson, Chemical Services, May 8.

Charles W. Mason, Research Services, May 9.

George I. Miller, Chemical Services, May 9.

Robert S. Toomey, Special Services, May 9.

Harrell E. Patterson, Special Services, May 9.

Edgar R. Johnson, Guard Department, May 9.

Lissie A. Reynolds, ORNL Chemical Services, May 10.

George B. Marrow, Chemical Engineering Development, May 11.

James K. Robinson, Buildings, Grounds and Maintenance Shops, May 12.

Bertha M. Meison, Laboratory Development, May 12.

Francis V. Tilson, General Machine Shop, May 13.

Cephas Brewer, Salvage Department, May 13.

20 YEARS

Calvin W. Lunsford, Research Services, May 3.

Everett L. Douglas, Alpha Five Machine Shop, May 6.

Oscar M. Kelly, General Expediting and Auxiliary Services, May 13.

15 YEARS

James L. Hunnicutt, Chemical Services, May 1.

Archie B. Blevins, Dimensional Inspection, May 3.

Eugene J. Hill, A-2 Shops, 9212, May 3.

Raymond J. Brown, Gage Certification Laboratory, May 3.

Jack C. Jernigan, M-Wing Shop, May 5.

James L. Evans, General Machine Shop, May 5.

Travis D. Craig, Rover Fabrication, May 5.

Thomas C. Pack, Tool Grinding, May 5.

David L. Jennings, Material Specimen Shop, May 5.

Elzo Branam, H-2 and F-Area Shops, May 6.

Thomas B. Reed, H-2 and F-Area Shops, May 6.

William B. Stephens, Machine Maintenance, May 6.

Earl E. Grissom, Alpha Five Machine Shop, May 6.

Claud J. Tapscott Jr., Dimensional Inspection, May 6.

John H. Worthington, Material Specimen Shop, May 6.

Leonard W. Nance, Dimensional Inspection, May 6.

Ephraim H. Vineyard Jr., Dimensional Inspection, May 6.

Stanley E. Groothuis, Instrument Engineering, May 7.

Everett H. Ashton, Assembly Operations, May 7.

Fred J. Dillehay, Process Maintenance, May 8.

Robert E. Jones, Dimensional Inspection, May 10.



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W. T. Bryson, H. W. Ditchen, W. F. Sharp, E. T. Wallace Begin Retirement Today

More than 85 years of Union Carbide Corporation service is marked as four Y-12ers retire today, April 30.

Leaving Buildings, Grounds and Maintenance Shops is Willis T.

Bryson; and Harold W. Ditchen retired from Research Services. Research Services also marks the early retirement of Ernest T. Wallace; and William F. Sharp, General Machine Shop, also takes early retirement.



Harold W. Ditchen
Research Services

Born: Cincinnati, Ohio
Csd: December 23, 1943
Home: 107 Henley Road
Oak Ridge

6-14388



Willis T. Bryson
Buildings, Grounds and Maintenance Shops

Born: Sylva, North Carolina
Csd: July 6, 1951
Home: Route 18, Crosslane Road
Knoxville

6-14390



William F. Sharp
General Machine Shop

Born: Union County
Csd: December 13, 1950
Home: Route 20, Solway
Byington Rd., Knoxville



Ernest T. Wallace
Research Services

Born: Clinton
Csd: August 16, 1943
Home: Route 4, Crest Drive
Clinton



Will join car pool from Cumberland View Drive, Oak Ridge, to Central Portal, straight day. J. C. Franklin, plant phone 3-5066, home phone Oak Ridge 483-0993.

Ride wanted from Jefferson City area to any Portal, D Shift. Richard Adams, plant phone 3-5669, home phone Oak Ridge 482-4127.

Car pool members wanted from Buffet Road, Washington Pike area, Knoxville, to Central or North Portal, straight day. Bar-

bara Williams, plant phone 3-5896, home phone Knoxville 522-0041.

Ride wanted from North Purdue Avenue, Oak Ridge, to North Portal, straight day. Jim Riikola, plant phone 3-5958, home phone Oak Ridge 483-4202.

Car pool members wanted from Tazewell Pike, Smithwood area, to any portal, straight day. C. P. O'Brien, plant phone 3-7394, home phone Knoxville 687-3674.

Ride wanted from Emory Road (Karns community) to Central Portal, straight day. Jackie Leadley, plant phone 3-5910.

LONG-SHORT OF IT

Daylight savings time reminds us of the Indian who cut off the top of his blanket and sewed it on the bottom to make it longer!